



Type Test Report					Date of issue: 24.8.2015								
Customer:					Serial No.:								
Customer ref.:					Type: M3BP 225SMB 2 Product Code: 3GBP221220-ADG								
Rating:					V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor					690	Y 50	55,0	2961	55,7	0,88	S1		
Insul.cl.F					400	D 50	55,0	2961	96,0	0,88	S1		
IP55					415	D 50	55,0	2965	93,4	0,87	S1		
					440	D 60	55,0	3563	86,5	0,89	S1		
Eff class IE2					460	D 60	55,0	3567	82,6	0,89	S1		
					50Hz : IE2 - 93,9%(100%) - 94,3%(75%) - 93,6%(50%)								
					60Hz : IE2 - 93,7%(100%)								
Resistance Line					Ambient: 20,3 °C					Insulation resistance at 22 °C		Overload	
U ₁ - V ₁					0,05638 Ω					R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁					0,05626 Ω							Torque 160 % 15s	
V ₁ - W ₁					0,05625 Ω							Speed 120 % 120s	
										High-voltage test winding 2400 V		60 s	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]				
No load test		401 D	50	21,9	1,3		3000	0,09					
Locked rotor test		71 D	50	92,6	3,84		0	0,34					
Thermal test (100% load)	177,4	400 D	50	95,7	58,60	55,00	2961	0,88	93,85				
Partial load points:													
~75% load	128,5	400 D	50	70,6	42,50	39,99	2973	0,87	94,11				
~50% load	90,2	400 D	50	52,5	30,11	28,18	2982	0,83	93,59				
~25% load	44,4	400 D	50	33,2	15,42	13,92	2991	0,67	90,28				
Temperature rise at rated load.					[°C]	[K]	Method		Measurement method				
Stator winding :					71,3	1			1 Resistance				
Frame :					47,0	2			2 Thermometer				
Bearing D-end :					37,4	2			3 Thermocouples				
Ambient Temperature :					22	2							
<p>These tests have been carried out on motor no. 08 636389 10005, on date 2008-10-08 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer Date of test</p> <p>Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden</p> <p style="text-align: right;">Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>													

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